

PS-FG-515A/1-20W

## PICOSECOND PULSED LASER AT 515nm

Picosecond pulsed laser at 515nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, which is used in sapphire marking, ceramic cutting, semiconductor cutting, film scribing, physics experiment, etc.

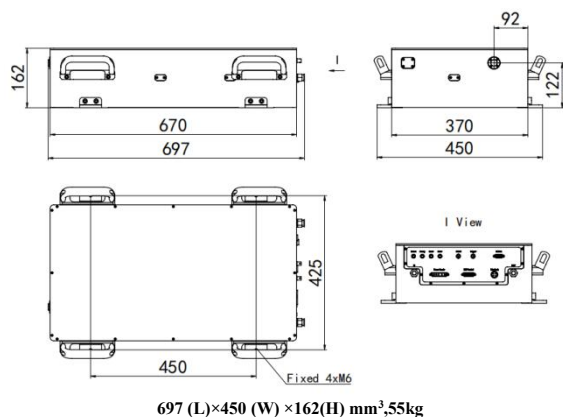


### SPECIFICATIONS

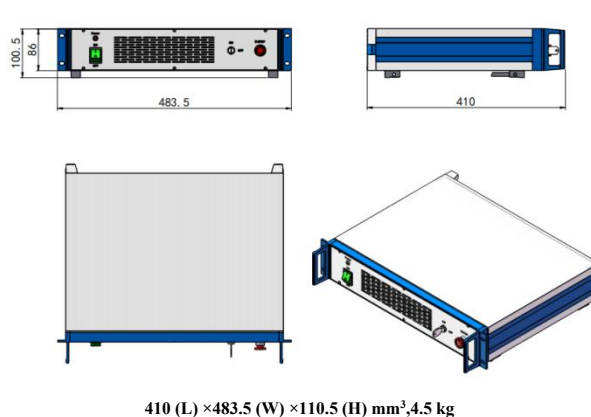
Wavelength (nm)	515±1
Operating mode	Pulsed
Average power (W) <sup>1</sup>	1-20
Single pulse energy (uJ)	1-40
Rep. rate (kHz) <sup>2</sup>	500-1000
Pulse duration (ps)	10±1
Ave power stability (rms, 4 hours±3°C)	<5%, <3%
Warm-up time (minutes)	<10
Transverse mode	TEM <sub>00</sub>
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	<3
M <sup>2</sup>	<1.3
Beam height from base plate (mm)	122
Polarization ratio	>100:1 Horizontal
Cooled method	Water cooled
Operating temperature (°C)	10-35
Power supply (100-240VAC)	RAD1PS
Expected lifetime (hours)	>10000



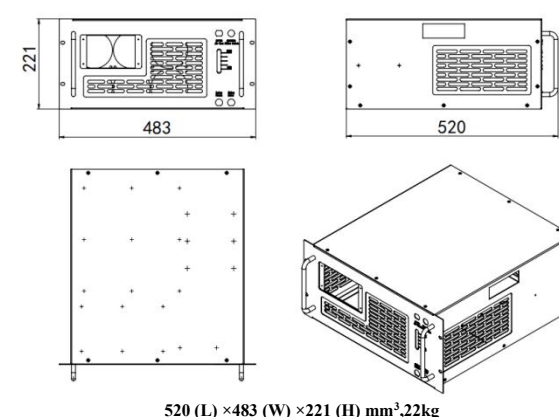
### LASER HEAD (DRIVER Integrated)



### POWER SUPPLY



### WATER CHILLER



1 One fixed value between 1-20W.

2 One fixed value between 500-1000kHz.